SmartPOE/802M
8 Port 10/100 Managed PoE Switch with 2 Gigabit Combo

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Features

- System Interface/Performance
  - RJ-45 port support Auto MDI/MDI-X Function
  - Embedded 8-port PoE inject function
  - Store-and-Forward Switching Architecture
  - Back-plane (Switching Fabric): 5.6Gbps
  - 1Mbits Packet Buffer
  - v8K MAC Address Table

- Spanning Tree
  - Supports IEEE802.1d Spanning Tree
  - Supports IEEE802.1w Rapid Spanning Tree

- VLAN
  - Port Based VLAN
  - Supports 802.1Q Tag VLAN
  - GVRP

- X-ring
  - X-ring, Dual Homing, and Couple Ring Topology
  - Provides redundant backup feature and the recovery time below 300ms

- Port Trunk with LACP

- QoS (Quality of Service)
  - Support IEEE 802.1p Class of Service,
  - Per port provides 4 priority queues
  - Port Base, Tag Base and Type of Service Priority

- Bandwidth Control
  - Ingress Packet Filter and Egress Rate Limit
  - Broadcast/Multicast Packet Filter Control

- Port Mirror: *Monitor traffic in switched networks*
  - TX Packet only, RX Packet only, Both of TX and RX Packet

- System Event Log
  - System Log Server/Client
  - SMTP e-mail Alert

- Security
  - Port Security : MAC address entries/filter
  - IP Security : IP address security management to prevent unauthorized intruder.
  - Login Security: IEEE802.1X/RADIUS

- SNMP Trap
  - Device cold start, Authentication failure, X-ring topology changed, Port Link up/Link down, PoE port events

- IGMP with Query mode for Multi Media Application

- TFTP Firmware Update and System Configure Restore and Backup

Feeds PoE to up to Eight devices!

8 Port 10/100 Managed PoE
Switch with 2 Gigabit Combo
POE-63208T

802.3af Compliant

PART NUMBER	DESCRIPTION
POE-63208T	8 Port 10/100 Managed PoE Switch with 2 Gigabit Combo

The SmartPoE/802M is a multi-port switch that can be used to build high-performance switched workgroup networks. This switch is a store-and-forward device that offers low latency for high-speed networking and features a "store-and-forward" switching scheme. This allows the switch to auto-learn and store source addresses in an 8K-entry MAC address table. The SmartPoE/802M is targeted at workgroup, department or backbone computing environments. The SmartPoE/802M has eight auto-sensing 10/100Base-TX RJ-45 ports and all ports support the PoE injector function. The switch as two auto-detected Gigabit Combo ports for higher connection speed.

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Specifications subject to change without notice.

Standards:	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-TX
	IEEE802.3ab 1000Base-T
	IEEE802.3z Gigabit fiber
	IEEE802.3x Flow Control and Back Pressure
	IEEE802.3ad Port trunk with LACP
	IEEE802.3af Power over Ethernet
	Cisco Legacy PD
	IEEE802.1d Spanning Tree/
	IEEE802.1w Rapid Spanning Tree
	IEEE802.1p Class of Service
	IEEE802.1Q VLAN Tag
	IEEE 802.1x User Authentication (Radius)
Connector	**100Base-T:** 8x RJ-45 with auto MDI/MDI-X.
	Ports 1~8 support POE inject function.

Packet throughput ability (Full-Duplex): 8.3Mpps @64bytes

Switch Architecture:	*Back-plane (Switching Fabric):* 5.6Gbps
MAC address:	8K MAC address table with Auto learning function
Packet Buffer:	1Mbit
Flash ROM:	4Mbytes
DRAM:	32Mbytes
LEDs:	**System:** Power (Green)
	10/100TX Port: Link/Activity (Green), 100Mbps (Green),
	Forwarding /Detect (Green).
	Gigabit copper port: 1000/100Mbps (Green),
	Link/Activity (Green)
	Mini GBIC: Link/Activity (Green)
	PoE: PWR FWD (Green)
Connectors:	2 x RJ-45 + 2 x 100/1000 SFP socket
	POE pin assignment: RJ-45 ports #1 ~#8 support IEEE 802.3af End-point, Alternative B mode.
Per port feeding power:	20 Watts (maximum)
	Positive (VCC+): RJ-45 pin 4, 5.
	Negative (VCC-): RJ-45 pin 7, 8.
	Data (1,2,3,6)
Power Supply:	AC 100 ~240V, 200 Watts (Max)
Redundant Power Supply:	48V DC
Power Consumption:	135 Watts (open issue)
Ventilation:	One DC Fan with fail detect function
Operating environment:	0˚~45˚, 5%~95% RH
Storage environment:	-40˚~70˚, 95% RH
Dimension:	270mm (W) x 210mm (D) x 44mm (H)
EMI:	FCC Class A, CE
Safety:	UL, cUL, CE/EN60950-1

Management:	SNMP v1 v2c, v3/ Web/Telnet/CLI
SNMP MIB:	RFC 1215 Trap, RFC1213 MIBII, RFC 1157 SNMP MIB, RFC 1493 Bridge MIB, RFC 2674 VLAN MIB, RFC 1643, RFC 1757, RSTP MIB, Private MIB, PoE MIB
RFC standard:	Port Based VLAN
	IEEE 802.1Q Tag VLAN (256 entries)/ VLAN ID (Up to 4K, VLAN ID can be assigned from 1 to 4096.)
	GVRP (256 Groups)
SNMP Trap	1. Device cold start
	2. Authentication failure
	3. X-ring topology changed
	4. Port Link up/Link down
	5. DC disconnect trap-PoE port Event
Firmware Update	Supports TFTP firmware update, TFTP backup and restore.
Port Trunk:	LACP Port Trunk: 4 Trunk groups/Maximum 4 trunk members

Spanning Tree:	Supports IEEE802.1d Spanning Tree and IEEE802.1w Rapid Spanning Tree
X-ring:	Supports X-ring, Dual Homing, and Couple Ring
	Provides redundant backup features and recovery time below 300ms
Quality of Service:	The quality of service determined by port, Tag and IPv4 Type of service, IPv4/ IPv6Different Service
Class of Service:	Supports IEEE802.1p class of service, per port provides 4 priority queues
IP Security:	Supports up to 10 IP addresses permission to access the switch management and prevent unauthorized access.
Login Security:	Supports IEEE802.1X Authentication/RADIUS
Flow Control:	Supports Flow Control for Full-duplex and Back Pressure for Half-duplex
IGMP:	Supports IGMP snooping v1,v2
	256 multicast groups and IGMP query
Port Security:	Supports 100 entries of MAC address for static MAC and another 100 for MAC filter
Port Mirror:	Supports 3 mirroring types: "RX, TX, and Both packets"
Bandwidth Control:	Supports ingress packet filter and egress packet limit
	The egress rate control supports all of packet types with limit rates of 100K~250Mbps
	Ingress filter packet type combination rules are Broadcast/Multicast/Unknown Unicast packet, Broadcast/Multicast packet, Broadcast packet only and all of packet. The packet filter rate can be set from 100k to 250Mbps
DHCP:	Provides DHCP Client/ DHCP Server/ IP Relay functions
DNS:	Provides DNS client feature and supports Primary and Secondary DNS servers.
SNTP:	Supports SNTP to synchronize system clock via Internet
System log:	Supports System log record and remote system log server
SMTP:	Supports SMTP Server and 6 e-mail accounts for receiving event alert
Power testing:	Features power supply testing function
Configuration upload and download:	Supports text format configuration file for easy system installation